

A B S T R A C T

**A non immunosuppressive immunogenic or vaccine composition
 comprising a mutated E7 protein of the HPV-16 virus**

Applicant

N E O V A C S

Inventors

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The invention relates to an immunogenic or vaccine composition inducing an immune response towards the HPV-16 Papillomavirus native E7 protein, without simultaneously inducing an immunosuppression, said composition comprising, as the active ingredient, a non immunosuppressive mutated E7 protein, comprising the amino acid sequence consisting, from the N-terminal end to the C-terminal end, in:

- i. the 1-19 amino acid sequence of sequence SEQ ID No. 3;
- 25 ii. an amino acid sequence possessing (a) the substitution of at least one amino acid, compared to the 20-29 corresponding amino acid sequence of sequence SEQ ID No. 3 or (b) the deletion of at least four consecutive amino acids, compared to the 20-29 corresponding amino acid sequence of sequence SEQ ID No. 3; and
- 30 iii. the 30-98 amino acid sequence of sequence SEQ ID No.;

NO FIGURE